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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/374,041	08/13/1999	ROBERT M. NALLY	50246-068	3245

20277 7590 01/14/2002  
MCDERMOTT WILL & EMERY  
600 13TH STREET, N.W.  
WASHINGTON, DC 20005-3096

EXAMINER

CHAUHAN, ULKA J

ART UNIT	PAPER NUMBER
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2671

DATE MAILED: 01/14/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

09/04/2001

**Office Action Summary**

Application No.

09/374,041

Applicant(s)

NALLY ET AL.

Examiner

Ulka J. Chauhan

Art Unit

2671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 September 2001.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13-48 is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Art Unit: 2671

## DETAILED ACTION

### *Reissue Applications*

1. The requirement for the submission of the original patent, or a statement as to loss or inaccessibility of the original patent, is deferred as requested by the Applicant. However, the Applicant is reminded that the original patent, or a statement as to loss or inaccessibility of the original patent, must be received before this reissue application can be allowed. See 37 CFR 1.178.

### *Claim Rejections - 35 USC § 112*

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-12 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 1 recites "an interface for receiving words of pixel data, each said word associated with an address buffer". There is no clear written description in the specification of associating a word of pixel data with "an address buffer". Specifically, the pages in the specification noted by the Applicant in the previous response, were reviewed but no clear written description of an address buffer was found. Claims 2-12 are dependent on claim 1 and therefore are similarly rejected.

### *Allowable Subject Matter*

4. Claims 13-48 are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter: the cited prior art does not disclose or render obvious the combination of elements recited in the claims. Specifically, the cited prior art fails to disclose or render obvious the following limitations: a port receiving both graphics and video data associated with addresses indicating that the data are to be processed as graphics or video data as well as a second port receiving real-time video data as per claim 13; an input port receiving both graphics and video data associated with addresses indicating that the data are to be processed as graphics or video data, writing playback data into a selected on-screen or off-screen area of the multi-format frame buffer, and memory control circuitry controlling the transfer of data between the multi-format frame buffer and the two backend pipelines as per claim 25; a video pipeline comprising a first and a second FIFO disposed in parallel to each other receiving selected data selected from on-screen and off-screen spaces of a frame buffer as per independent claim 34; a display controller including "circuitry for selectively retrieving" data from a multiformat frame buffer simultaneously storing video and graphics data as per claims 37 and 43; and retrieving video data from a frame buffer simultaneously storing graphics and video data and providing the video data to the video pipeline only when a video display window is being generated as per claims 42 and 44.

#### ***Response to Arguments***

6. Applicant's arguments with respect to the rejection of claims 1-12 under 35 U.S.C. 112, first paragraph have been fully considered but they are not persuasive. As noted above, the specification does not provide a clear written description of the limitation "an interface for receiving words of pixel data, each said word associated with an address buffer" of claim 1. Specifically, the pages in the specification noted by the Applicant in the previous response, were

reviewed but no clear written description of "an address buffer" or associating a word of pixel data with an "address buffer" was found.

*Conclusion*

7. **THIS ACTION IS MADE FINAL.** A shortened statutory period for reply to this final action is set to expire ONE MONTH from the mailing date of this action.
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ulka Chauhan** whose telephone number is **(703) 305-9651**. The examiner can normally be reached Mon.-Fri. from 9:00 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Mark Zimmerman**, can be reached at **(703) 305-9798**.

**Any response to this action should be mailed to:**

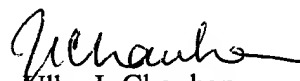
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

9. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 305-4700.

  
Ulka J. Chauhan  
Primary Examiner  
Art Unit 2671

ujc  
January 4, 2002